

Title (en)

ANTIGEN BINDING PROTEINS TO PROPROTEIN CONVERTASE SUBTILISIN KEXIN TYPE 9 (PCSK9)

Title (de)

ANTIGENBINDENDE PROTEINE GEGEN PROPROTEIN CONVERTASE SUBTILISIN KEXIN TYP 9 (PCSK9)

Title (fr)

PROTÉINES DE LIAISON À UN ANTIGÈNE POUR LA PROPROTÉINE CONVERTASE SUBTILISINE KEXINE DE TYPE 9 (PCSK9)

Publication

EP 2215124 B1 20160224 (EN)

Application

EP 08798550 A 20080822

Priority

- US 8613308 P 20080804
- US 95766807 P 20070823
- US 2008074097 W 20080822
- US 1063008 P 20080109
- US 896507 P 20071221

Abstract (en)

[origin: WO2009026558A1] Antigen binding proteins that interact with Proprotein Convertase Subtilisin Kexin Type 9 (PCSK9) are described. Methods of treating hypercholesterolemia and other disorders by administering a pharmaceutically effective amount of an antigen binding protein to PCSK9 are described. Methods of detecting the amount of PCSK9 in a sample using an antigen binding protein to PCSK9 are described.

IPC 8 full level

C07K 16/40 (2006.01); **A61K 31/22** (2006.01); **A61K 31/366** (2006.01); **A61K 31/40** (2006.01); **A61K 31/405** (2006.01); **A61K 31/44** (2006.01); **A61K 31/47** (2006.01); **A61K 31/505** (2006.01); **A61K 31/66** (2006.01); **A61K 39/00** (2006.01); **A61K 39/395** (2006.01); **A61K 45/06** (2006.01); **A61P 3/06** (2006.01); **C12N 15/113** (2010.01)

CPC (source: EA EP IL KR US)

A61K 31/22 (2013.01 - EA EP IL US); **A61K 31/366** (2013.01 - EA EP IL US); **A61K 31/40** (2013.01 - EA EP IL US); **A61K 31/405** (2013.01 - EA EP IL US); **A61K 31/44** (2013.01 - EA EP IL US); **A61K 31/47** (2013.01 - EA EP IL US); **A61K 31/505** (2013.01 - EA EP IL US); **A61K 31/66** (2013.01 - EA EP IL US); **A61K 39/395** (2013.01 - EA EP IL US); **A61K 39/3955** (2013.01 - EA EP IL US); **A61K 45/06** (2013.01 - EA EP IL US); **A61P 3/00** (2018.01 - EP IL); **A61P 3/06** (2018.01 - EP IL KR); **A61P 7/00** (2018.01 - EP IL); **A61P 9/00** (2018.01 - EP IL); **A61P 9/10** (2018.01 - EP IL); **A61P 25/28** (2018.01 - EP IL); **A61P 43/00** (2018.01 - EP IL); **C07K 16/40** (2013.01 - EA EP IL KR US); **C12N 15/1137** (2013.01 - EA IL US); **A61K 2039/505** (2013.01 - EA EP IL KR US); **A61K 2300/00** (2013.01 - IL); **C07K 2299/00** (2013.01 - EA EP IL US); **C07K 2317/14** (2013.01 - EA IL US); **C07K 2317/24** (2013.01 - KR); **C07K 2317/34** (2013.01 - EA EP IL US); **C07K 2317/76** (2013.01 - EA EP IL US); **C07K 2317/92** (2013.01 - EA EP IL KR US)

C-Set (source: EP US)

1. **A61K 31/22 + A61K 2300/00**
2. **A61K 31/366 + A61K 2300/00**
3. **A61K 31/40 + A61K 2300/00**
4. **A61K 31/405 + A61K 2300/00**
5. **A61K 31/44 + A61K 2300/00**
6. **A61K 31/47 + A61K 2300/00**
7. **A61K 31/505 + A61K 2300/00**
8. **A61K 31/66 + A61K 2300/00**
9. **A61K 39/395 + A61K 2300/00**
10. **A61K 39/3955 + A61K 2300/00**

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- ANALYSIS OF THE FEATURES OF CLAIM 1
- ENLARGED VERSION OF FIG. 1 DEPICTING THE NON-LINEAR EPITOPE COMPRISING AMINO ACIDS, pages 187 - 202, 231-246 , and 368-383
- ENLARGED VERSION OF FIG. 2 DEPICTING THE OVERLAP BETWEEN THE AMINO ACID RESIDUES THAT ARE BOUND BY PREFERRED PCSK9-SPECIFIC ANTIBODIES DISCLOSED IN NOVARTIS (D14
- ENLARGED VERSION OF FIG. 3 DEPICTING THE OVERLAP BETWEEN THE AMINO ACID RESIDUES THAT ARE BOUND BY ANTIBODIES DISCLOSED IN NOVARTIS (D14) AND THE RESIDUES POSITIONED WITHIN 8 ANGSTROMS OF 31H4
- ENLARGED VERSION OF FIG. 4 DEPICTING THE AMINO ACID RESIDUES TAUGHT IN PB TO BE BOUND BY THE EGFA DOMAIN OF THE LDL RECEPTOR
- ENLARGED VERSION OF FIG. 5 DEPICTING THE OVERLAP BETWEEN THE AMINO ACID RESIDUES THAT ARE BOUND BY PREFERRED PCSK9-SPECIFIC ANTIBODIES DISCLOSED IN NOVARTIS (D14
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- DECLARATION OF DR MALGORZATA GONCIARZ AND CV
- ILLUSTRATION OF 31H4 BINDING TO HPCSK9
- Opponent : REGENERON PHARMACEUTICALS, INC.
- WO 2008063382 A2 20080529 - MERCK & CO INC [US], et al
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Opponent : SANOFI

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- ENLARGED VERSION OF FIG. 1 DEPICTING THE NON-LINEAR EPITOPE COMPRISING AMINO ACIDS 187- 202 , 231-246 , AND 368-383 OF PCSK9 BOUND BY PREFERRED PCSK9-SPECIFIC ANTIBODIES DISCLOSED IN NOVARTIS (D14
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- Opponent : Sanofi-Aventis Deutschland GmbH et al.
- WO 2009026558 A1 20090226 - AMGEN INC [US], et al
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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

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